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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

REC'D	28	DEC	2005
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(PCT Artcle 36 and Rule 70)

Applicant's or agent's file reference PP03-J037	FOR FURTHER ACTION		FransmittalofInternation ort (Form PCT/IPEA/41	
International application No. PCT/KR2003/002870	International filing date (day/mont) 29 DECEMBER 2003 (29)		ority date (day/month/) 3 SEPTEMBER 2003 (•
International Patent Classification (IPC) IPC7 G02B 26/06				
Applicant KAIST et al				
and is transmitted to the applican	tamination report has been prepare t according to Article 36. of 3 sheets, includi		onal Preliminary Exam	ining Authority
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).				
These annexes consist of a total	ofsheets.			
IV Lack of unity of inv V Reasoned statemen citations and explan VI Certain documents VII Certain defects in the	of opinion with regard to novelty, in the properties of the statement of t	•		cability;
Date of submission of the demamd	Date o	completion of this	report	
28 MARCH 2005 (2	28.03.2005)	19 DECEMBER	2005 (19.12.2005)	
Name and mailing address of the IPEA/ Korean Intellectual Proper 920 Dunsan-dong, Seo-gu, Republic of Korea Facsimile No. 82-42-472-7140	ty Office Daejeon 302-701,	ized officer CHOI, Nam Ho one No. 82-42-48	1-8184	ALE STATES

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/KR2003/002870

1.	1. Basis of the report						
1.	With	th regard to the elements of the international application:*					
	\boxtimes	the international application as originally filed					
		the description:					
		pages	, as originally filed				
		pages, filed with the letter of	, filed with the demand				
		the claims:					
	Ш	pages	, as originally filed				
		pages, as amended (together with any st	atment) under Article 19				
		pages, filed with the letter of	filed with the demand				
	Ш	the drawings: pages					
		pages,	, as originally filed filed with the demand				
	_	pages, filed with the letter of					
	Ш	the sequence listing part of the description:					
1		pages	- ·				
		pages, filed with the letter of	nied with the demand				
2.	With	Ith regard to the language, all the elements marked above were available or furnished to this Authorit is international application was filed, unless otherwise indicated under this item.	y in the language in which				
	Thes	hese elements were available or furnished to this Authority in the following language English	which is				
		the language of a translation furnished for the purposes of international search (under Rule 23.1(t					
	\boxtimes))).				
		the language of the translation furnished for the purposes of international preliminary examinat	ion/under Dules 55.2 and/				
	لـا	or 55.3).	ion(under Rules 33.2 and				
3.	Wit	With regard to any nucleotide and/or amino acid sequence disclosed in the international applicat	*				
•	prel	reliminary examination was carried out on the basis of the sequence listing:	ion, the international				
		contained inthe international application in written form.					
		filed together with the international application in computer readable form.					
		furnished subsequently to this Authority in written form.					
		furnished subsequently to this Authority in computer readable form					
	$\overline{\Box}$	The statement that the subsequently furnished written sequence listing does not go beyon	d the disc losure in the				
		international applicationas as filed has been furinshed.					
	Ш	The statement that the information recorded in computer readable form is identical to the writt been furnished.	ten sequence listing has				
4.		The amendments have resulted in the cancellation of:					
		the description, pages					
		the claims, Nos.					
		the drawings, sheets					
5.		7					
		This report has been established as if (some of) the amendments had not been made, since the go beyond the disclosure as filed, as indicated in the Supplemental Box(Rule 70.2(c)).**	ey have been considered to				
		g, no discressive as most, as mesoared in the supplemental box(Rule 70.2(c)).**					
	Renia	placement sheets which have been furnished to the receiving Office in response to an invitation under	Andreis IA C. II				
	in this opinion as "originally filed." and are not annexed to this report since they do not contain amendments (Rules 70.16						
	and 70.17).						
**	Anvr	y replacement sheet containing such amendments must be referred to under item I and annexed to thi	la mana and				

INTERNATIONAL PRELIMINARY EXAMINATION

International application No. PCT/KR2003/002870

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
 citations and explanations supporting such statement

	1. Statement			
	Novelty (N)	Claims	1-11	
		Claims	None	NO
	Inventive step (IS)	Claims	1-11	YES
		Claims	None	NO
	Industrial applicability (IA)	Claims	1-11	YES
		Claims	None	NO
į				

2. Citations and explanations (Rule 70.7)

Reference is made to the following document:

D1: KR 1997-0008747 A (KAIST) 1 DECEMBER 1998

The present application relates to an apparatus and a method for controlling the phases of beams to make the relative-phases of the beam "0" in a beam splitting amplification laser using a stimulated Brillouin scattering phase conjugate mirror(SBS-PCM).

D1 discloses a solid laser system for generating high repeating, energy and power laser beam which includes a plurality of laser amplifying systems linearly connected to each other. And each of the solid laser system includes the first and second laser amplifying parts.

1. Novelty:

The subject matter of claims 1-11 is novel over the available prior art D1.

2. Inventive Step:

Although the available prior art D1 discloses a laser system to generate a high energy laser beam, it D1 does not suggest the phase control method and apparatus of Claim 1-11 of the present application comprising special technical features of reflector and its fine driver to control the phases and to generate a high energy laser beam.

Therefore, the subject matter of the claims 1-11 of the present invention is considered to involve an inventive step(PCT Article 33(20-(3)).

3. Industrial Applicability:

Claims 1-11 of the present invention meet the criteria set out in PCT Article 33(4).